CLAIMS

1. A closure comprising:

a shell attachable on one end to a container, and including

a body attachable to a container opening, said body including an outer surface and an inner surface, wherein said inner surface defines an opening in fluid communication with the container opening when attached thereto,

a stem positioned within said body opening to define a generally cylindrical fluid path between said body inner surface and said stem,

an outwardly extending first lip on said body outer surface, said first lip facing said shell one end, and

an inwardly extending second lip on said body inner surface, said second lip facing said shell one end; and

a tip having

a pouring aperture at one end,

an outer flange receivable over said body outer surface and including an inwardly extending third lip, and

an inner flange receivable in said body opening and spaced from said stem to define a generally annular fluid path therebetween, said inner flange further including an outwardly extending fourth lip,

said third lip being positioned between said shell one end and said first lip and said fourth lip being positioned between said shell one end and said second lip whereby said first lip engages

said third lip and said second lip engages said fourth lip to prevent removal from said tip from said shell body.

2. The closure of claim 1, wherein said first, second, third and fourth lips are each continuous.

3. The closure of claim 1, wherein said body outer surface is cylindrical, and said first lip extends around the outer cylindrical surface.

4. The closure of claim 3, wherein said third lip is elastically biased against said body outer surface, and said body outer surface tapers outwardly from said first lip toward said shell one end.

5. The closure of claim 1, wherein lips are ring shaped with inner and outer diameters, said first lip having an outer diameter greater than the inner diameter of said third lip and said second lip having an inner diameter less than the outer diameter of the fourth lip.

6. The closure of claim 1, wherein said stem extends axially through said body opening, and said first and second lips are axially spaced.

7. The closure of claim 6, wherein said third and fourth lips are axially spaced a distance which is substantially the same as the axial spacing between said first and second lips.

8. The closure of claim 6, wherein said first lip is nearer said shell one end than said second lip.

9. The closure of claim 6, wherein said first and second lips define stop surfaces facing said shell one end, said stop surfaces being substantially transverse to said axial direction.

10. The closure of claim 1, wherein said fourth lip slidably seals against said body inner surface around the entirety of said body opening.

11. A closure comprising:

a shell attachable on one end to a container, and including

a body attachable to a container opening, said body including a cylindrical outer surface and an inner surface, wherein said inner surface defines an opening in fluid communication with the container opening when attached thereto,

a stem extending axially through said body opening to define a generally cylindrical fluid path between said body inner surface and said stem,

an outwardly extending first lip on said body outer surface, said first lip facing said shell one end, and

an inwardly extending second lip on said body inner surface and axially spaced from said first lip, said second lip facing said shell one end and being further from said shell one end than said first lip; and

a tip having

a pouring aperture at one end,

an outer flange receivable over said body outer surface and including an inwardly extending third lip, and

an inner flange receivable in said body opening and spaced from said stem to define a generally annular fluid path therebetween, said inner flange further including an outwardly extending fourth lip, said fourth lip being axially spaced from said third lip a distance which is substantially the same as the axial spacing between said first and second lips,

said third lip being positioned between said shell one end and said first lip and said fourth lip being positioned between said shell one end and said second lip;

said lips being ring shaped with inner and outer diameters with said first lip having an outer diameter greater than the inner diameter of said third lip and said second lip having an inner diameter less than the outer diameter of the fourth lip, whereby said first lip engages said third lip and said second lip engages said fourth lip to prevent removal from said tip from said shell body.

12. The closure of claim 11, wherein said first and second lips define stop surfaces facing said shell one end, said stop surfaces being substantially transverse to said axial direction.

13. The closure of claim 11, wherein said first, second, third and fourth lips are each continuous.